

# इंटरनेट

# मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

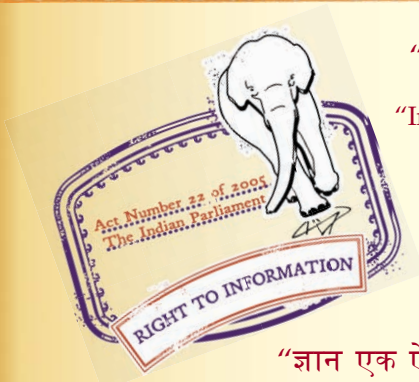
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7511-7 (1986): Dimensions For Neck Finishes, Part 7:  
Crown finish [CHD 10: Glassware]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

## DIMENSIONS FOR NECK FINISHES

## PART 7 CROWN FINISH

( First Revision )

1. **Scope** — Lays down the requirements of crown finish.

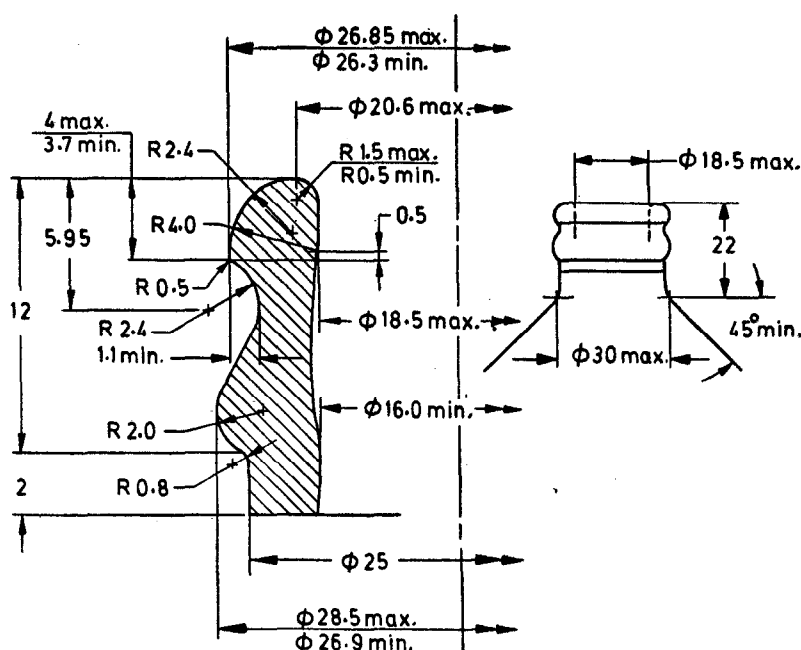
2. **Types** — The crown finish shall be of the following two types:

- a) Shallow crown finish, and
- b) Tall crown finish.

### 3. Dimensions

3.1 The dimensions for shallow crown finish and tall crown finish shall be as given in Fig. 1 and Fig. 2 respectively.

3.2 *Sealing Surfaces* — The sealing surface may be flat or radiused and shall conform to the dimensions given in Fig. 1 and 2. The surface shall be as regular and smooth as possible.



**Note 1** — The entrance bore diameter shall be 18.5 mm, *Max.* On some bottles of light-weight manufacture, the entrance bore diameter may be 19.0 mm, *Max.*, subject to agreement between the glass manufacturer, closure manufacturer and purchaser.

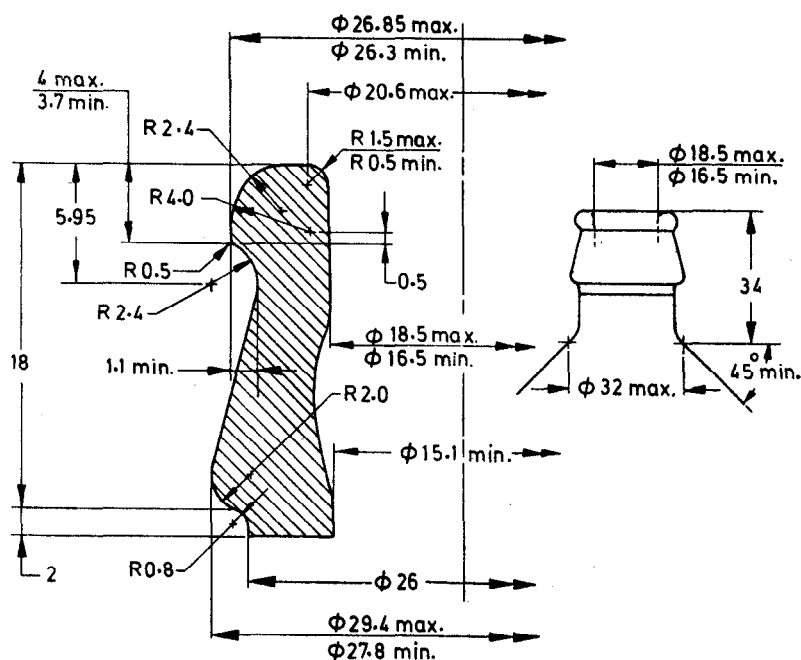
**Note 2** — The dimension  $R\ 0.5$  mm is optimum.

**Note 3** — The dimensions 12 mm and  $\phi\ 25$  mm are nominal to suit glass manufacture.

**Note 4** — The dimensions 5.95 mm and  $R\ 0.8$  are for manufacturing purposes only.

All dimensions in millimetres.

FIG. 1 DIMENSIONS FOR SHALLOW CROWN FINISH



Note 1 — The entrance bore diameter shall be between 18.5 mm, *Max* and 16.5 mm, *Min* from the depths of 1.5 to 3.0 mm. For returnable bottles, an entrance bore diameter of between 16.6 mm, *Max* and 15.6 mm, *Min* from the depths of 1.5 to 3.0 mm is recommended, if a re-seal is to be used or if the bottle is going to be subjected to a special sterilizing process.

Note 2 — The dimension R 0.5 is optimum.

Note 3 — The dimension 18 mm and  $\phi$  26 mm are nominal to suit glass manufacture.

Note 4 — The dimension 5.95 mm is for manufacturing purposes only.

All dimensions in millimetres.

FIG. 2 DIMENSIONS FOR TALL CROWN FINISH

## EXPLANATORY NOTE

A variety of glass finishes are now being produced by the glass containers industry. Most of these finishes are being used by packers who have facilities for high speed filling and capping operations. Consequently it has become necessary to standardize upon the dimensions of different types of glass finishes.

This standard was first issued in 1974 titled 'Summary sheet on glass containers neck finishes'. As the standard mainly lays down the dimensions for various types of neck finishes for glass containers, the standard has been retitled as 'Dimensions for neck finishes'. Since its first issue, it was observed that a number of sizes recommended under the shallow continuous thread finish range were not in use. On the contrary, a number of sizes, not included in earlier issue were very popular with the industry. Also glass neck finishes not included in the first version were popular with the trade. In view of this, the revision of the standard became necessary.

The following are some of the changes made in this revision:

- The sizes of various neck finishes not in use were deleted and the additional sizes included.
- A new glass finish range namely, shallow continuous deep thread finish, has been included.
- Certain individual dimensions of glass neck finishes have been revised in view of the limitations posed by the glass container manufacturing processes.
- Vacuum lug finishes which have recently become very popular with wide mouth glass containers have also been included in the present revision. These finishes are non-pilferproof.

- e) The notations representing different glass finish dimensions have been changed to be in conformity with internationally accepted practices.
- f) Tall continuous neck finish has been deleted as the same is no longer popular.

This standard is being issued in the following parts:

- Part 1 — Shallow continuous thread finish (R3);
- Part 2 — Shallow continuous thread finish for deep screw caps (R3/D);
- Part 3 — Roll-on threads non-pilferproof (RONPP);
- Part 4 — Roll-on threads pilferproof (ROSPP);
- Part 5 — Vial goldie seal glass finishes;
- Part 6 — Dual neck finish;
- Part 7 — Crown finish; and
- Part 8 — Vacuum lug finish.

While preparing this standard, assistance has been derived from the following:

- ISO 8162-1985 Glass containers — Tall crown finishes — Dimensions, issued by International Organization for Standardization ( ISO );
- ISO 8163-1985 Glass containers — Shallow crown finishes — Dimensions, issued by International Organization for Standardization ( ISO );
- ISO/DP 9100 Glass containers — Vacuum lug finishes for wide mouth container — Dimensions, issued by International Organization for Standardization ( ISO );
- BS 1918 : Part 1-1978 Glass container finishes: Part 1 Specification for continuous thread finish, issued by British Standards Institution ( BSI ); and
- BS 1918 : Part 2-1981 Glass container finishes: Part 2 Specification for crown finish, issued by British Standards Institution ( BSI ).